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NOTICE OF ALLOWANCE AND FEE(S) DUE

43471

7590

04/29/2008

Motorola, Inc. Law Department 1303 East Algonquin Road 3rd Floor Schaumburg, IL 60196

| EXAMINER | | | | |
|-------------|--------------|--|--|--|
| LAI, ANDREW | | | | |
| ART UNIT | PAPER NUMBER | | | |

2616 DATE MAILED: 04/29/2008

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/775.907 | 02/10/2004 | Clive E. Holborow | BCS03161 | 1318 |

TITLE OF INVENTION: METHOD AND SYSTEM FOR MULTIPLEXING DOCSIS DATA INTO AN MPEG TRANSPORT STREAM

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | NO | \$1440 | \$300 | \$0 | \$1740 | 07/29/2008 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

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IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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| 43471 | | /2008 | | | cate of Mailing or Trans | |
| Motorola, Inc. Law Department 1303 East Algonquin Road | | | Star add | tes Postal Service with ressed to the Mail S | Fee(s) Transmittal is bein sufficient postage for fir top ISSUE FEE address (571) 273-2885, on the c | g deposited with the United st class mail in an envelope above, or being facsimile late indicated below. |
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| Schaumburg, in | . 00190 | | | | | (Signature) |
| | | | | | | (Date) |
| APPLICATION NO. | FILING DATE | | FIRST NAMED INVENTOR | A A | ITORNEY DOCKET NO. | CONFIRMATION NO. |
| 10/775,907 | 02/10/2004 | | Clive E. Holborow | | BCS03161 | 1318 |
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| nonprovisional | NO MINER | \$1440 ART UNIT | \$300 CLASS-SUBCLASS | \$0 7 | \$1740 | 07/29/2008 |
| | NDREW | 2616 | 370-503000 | J | | |
| | lence address or indicatio | | 2. For printing on the p | patent front page, list | | |
| CFR 1.363). | aandanaa addrass (ar Cha | nga of Correspondence | (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, | | | |
| ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. | | | (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. | | | |
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| • • | ns SMALL ENTITY state and Publication Fee (if rea | | | | ENTITY status. See 37 C | FR 1.27(g)(2). he assignee or other party in |
| interest as shown by the | records of the United Sta | tes Patent and Trademark | Office. | are apparently a register | | —————————————————————————————————————— |
| Authorized Signature | | | | Date | | |
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| an application. Confider submitting the complete this form and/or suggest Box 1450, Alexandria, V Alexandria, Virginia 22. | ntiality is governed by 35 application form to the tions for reducing this bu Virginia 22313-1450. DC 313-1450. | U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the ONOT SEND FEES OR | 1.14 This collection is es | timated to take 12 mir vidual case. Any comr er, U.S. Patent and Tra O THIS ADDRESS. S | utes to complete, including the sense on the amount of tidemark Office, U.S. Dep END TO: Commissioner | d by the USPTO to process) ng gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450, |

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| Motorola, Inc. | | | LAI, ANDREW | |
| Law Department | | | ART UNIT | PAPER NUMBER |
| 1303 East Algonqu | iin Road | | 2616 | |
| 3rd Floor Schaumburg, IL 60196 | | | DATE MAILED: 04/29/2008 | |
| Schaumburg, IL oc | ハフひ | | | |

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 751 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 751 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

| | Application No. | Applicant(s) |
|--|---|---|
| | 10/775,907 | HOLBOROW, CLIVE E. |
| Notice of Allowability | Examiner | Art Unit |
| | ANDREW LAI | 2616 |
| | ANDREWLAI | 2010 |
| The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313 | (OR REMAINS) CLOSED in this ap or other appropriate communicatio IGHTS. This application is subject | oplication. If not included n will be mailed in due course. THIS |
| 1. \boxtimes This communication is responsive to <u>communication received</u> | <u>red on 2/1/2008</u> . | |
| 2. The allowed claim(s) is/are <u>1-29</u> . | | |
| 3. Acknowledgment is made of a claim for foreign priority ur | nder 35 U.S.C. § 119(a)-(d) or (f). | |
| a) ☐ All b) ☐ Some* c) ☐ None of the: | | |
| Certified copies of the priority documents have | been received. | |
| 2. Certified copies of the priority documents have | been received in Application No | |
| 3. Copies of the certified copies of the priority do | cuments have been received in this | national stage application from the |
| International Bureau (PCT Rule 17.2(a)). | | |
| * Certified copies not received: | | |
| Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. | | complying with the requirements |
| 4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give | | |
| 5. CORRECTED DRAWINGS (as "replacement sheets") mus | st be submitted. | |
| (a) ☐ including changes required by the Notice of Draftspers | on's Patent Drawing Review (PTC | 9-948) attached |
| 1) ☐ hereto or 2) ☐ to Paper No./Mail Date | | |
| (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date | s Amendment / Comment or in the | Office action of |
| Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the | | |
| 6. DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT | | |
| | | |
| Attachment(s) 1. ☑ Notice of References Cited (PTO-892) | 5. ☐ Notice of Informal | Patent Application |
| 2. Notice of Draftperson's Patent Drawing Review (PTO-948) | 6. ☐ Interview Summary | |
| 3. ☐ Information Disclosure Statements (PTO/SB/08), | Paper No./Mail Da 7. | ate ment/Comment |
| Paper No./Mail Date4. Examiner's Comment Regarding Requirement for Deposit | 8. ⊠ Examiner's Statem | ent of Reasons for Allowance |
| of Biological Material | 9. | |
| | | |

Application/Control Number: 10/775,907 Page 2

Art Unit: 2616

REASONS FOR ALLOWANCE

1. Claim1 – 29 are allowed.

2. The following is an examiner's statement of reasons for allowance:

Instant Application is drawn to multiplexing DOCSIS (data over cable) data into an MPEG (moving picture expert group) transport stream.

Independent claims 1, 8, 14, 17, 22 and 26 uniquely identified essentially the same subject matter as follows of ... <u>synchronizing/synchronize</u> an <u>MPEG</u> system <u>clock</u> and a <u>DOCSIS</u> system <u>clock</u>...

Independent claim 20 uniquely identified the following subject matter of ...

generate a <u>DOCSIS clock value</u> for said DOCSIS data based upon said MPEG PCR value ...

It is noted herein that the believed-to-be best arts of Sorenson et al (US 2003/0053476), disclosing mapping of bit streams into MPEG frame, and Thi et al (US 2002/0061012), disclosing DOCSIS MAC extracting DOCSIS frames from MPEG frames, taught all other features in aforesaid independent claims. These arts, individually or in combination, however failed to anticipate the above cited features or render them obvious. Particularly, Sorenson et at suggested synchronization of DOCSIS packet with MPEG packet but is silent on syncing the system clocks. Chi disclosed synchronizing system clocks between the headend (source end) and the tailend (destination end) but is silent on syncing clocks of two systems (DOCSIS and MPEG) both at the headend.

All other independent claims are allowed since they depend, directly or indirectly, from the above allowed dependent claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ANDREW LAI whose telephone number is (571)272-9741. The examiner can normally be reached on M-F 7:30-5:00 EST, Off alternative Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kwang Yao can be reached on 571-272-3182. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Andrew Lai/ Examiner, Art Unit 2616 /Kwang B. Yao/ Supervisory Patent Examiner